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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

47911-A

First Named Inventor

LONG, Yicheng et al.

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

**I hereby declare that:**

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**NIR SPECTROSCOPY METHOD FOR ANALYZING CHEMICAL PROCESS COMPONENTS***(Title of the Invention)*

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

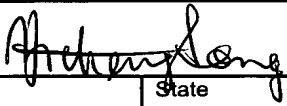

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number: <input type="text" value="02048"/>		OR <input type="checkbox"/> Correspondence address below	
Name			
Address			
City		State	ZIP
Country	Telephone	Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input checked="" type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Yicheng		Family Name or Surname LONG	
Inventor's Signature 		Date Oct. 2/03	
Residence: City Edmonton	State Alberta	Country CANADA	Citizenship Chinese
Mailing Address 3319 -108 Street			
City Edmonton	State Alberta	ZIP T6J 3C9	Country CANADA
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Tadeusz		Family Name or Surname DABROS	
Inventor's Signature 		Date Oct 2, 2003	
Residence: City Edmonton	State Alberta	Country CANADA	Citizenship Canadian
Mailing Address 3539 - 108 Street			
City Edmonton	State Alberta	ZIP T6J 1B3	Country CANADA
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental SheetPage 1 of 1

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Hassan		HAMZA	
Inventor's Signature <i>H. A. Hamza</i>		Date <i>Oct 06/03</i>	
Edmonton Residence: City	Alberta State	CANADA Country	Canadian Citizenship
7609 - 94A Avenue Mailing Address			
Mailing Address			
Edmonton City	Alberta State	T6C 1X2 Zip	CANADA Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

<b>Application Number</b>	
<b>Filing Date</b>	
<b>First Named Inventor</b>	LONG, Yicheng et al.
<b>Title</b>	NIR SPECTROSCOPY METHOD FOR...
<b>Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	47911-A

I hereby appoint:

☒ Practitioners associated with the Customer Number:

02048

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		Zip	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name	JENNIFER HOLLINGTON, DIRECTOR OF MANAGEMENT SERVICES DIVISION		
Signature	Jennifer Hollington		
Date	2003/10/02	Telephone	(613) 943-1778

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: LONG, Yicheng et al.

Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: \_\_\_\_\_

Entitled: NIR SPECTROSCOPY METHOD FOR ANALYZING CHEMICAL PROCESS COMPONENTSHer Majesty the Queen ..., a Crown Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.**OR**B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

2003/10/02  
Date(613) 943-1778  
Telephone numberJENNIFER HOLLINGTON

Typed or printed name

Jennifer Hollington  
SignatureDIRECTOR, MANAGEMENT SERVICES  
Title Division

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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47911-A  
U.S. ASSIGNMENT  
NEW DES/PAT APPLICATION  
INDIVIDUAL(S) TO CO/IND

I/WE, Yicheng LONG of 3319 – 108 Street, Edmonton, Alberta T6J 3C9, CANADA;

Tadeusz DABROS of 3539 – 108 Street, Edmonton, Alberta T6J 1B3, CANADA and

Hassan HAMZA of 7609 – 94A Avenue, Edmonton, Alberta T6C 1X2, CANADA

*(name and address of assignor(s))*

in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, do hereby sell and assign to:

**HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE  
MINISTER OF NATURAL RESOURCES CANADA  
580 Booth Street, 16<sup>th</sup> Floor, Ottawa, Ontario K1A 0E4  
CANADA**

*(name and address of assignee)*

hereinafter called the assignee, the entire right, title and interest in and to the invention entitled

**NIR SPECTROSCOPY METHOD FOR ANALYZING CHEMICAL PROCESS COMPONENTS**

as disclosed in the United States patent application executed concurrently herewith, and in and to said United States patent application, and in and to any division, continuation or continuation-in-part of said application, and in and to any and all Letters Patent and reissues and extensions thereof, in and for the United States, Canada, and all other countries, the same to be held and enjoyed by the said assignee, its successors, assigns, or legal representatives to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this assignment and sale had not been made.

SIGNED at

Edmonton, Alberta, Canada

this 6 day of October 2003.

Date : Oct. 2/03

Witness : Marshall Blom

Address : #1 Oil Patch Drive

Edmonton AB

T9G 1A8

Yicheng Long  
(signature of assignor)  
Yicheng LONG

Date : Oct 2 / 2003

Witness : Diana Kusse

Address : #1 Oil Patch Drive

Edmonton AB

T9G 1A8

Tadeusz Dabros  
(signature of assignor)  
Tadeusz DABROS



Page 2  
U.S. Assignment  
File: 47911-A

---

Date : Oct 6/03  
Witness : Beckw  
Address : 4 Pembina St  
Dwan AB  
T9G1C5

H. A. Hamza  
(signature of assignor)  
Hassan HAMZA